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TITLE: Microorganism Phellinus linteus having antioxidation activity

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PRIORITY-DATA: 2000KR-0010190 (February 29, 2000)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> KR 331497 B	April 9, 2002		000	C12N001/00
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APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR 331497B	February 29, 2000	2000KR-0010190	
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ABSTRACTED-PUB-NO: KR2001084853A

BASIC-ABSTRACT:

NOVELTY - A microorganism Phellinus linteus having an antioxidation activity which can be used as probiotics, beverage or food additives or adjuvants, is new.

DETAILED DESCRIPTION - A microorganism, Phellinus linteus ANKS9901 (KCTC 8983P), having an antioxidation activity such as superoxide dismutase (SOD), peroxidase (POD), and catalase, is isolated and identified by the steps of:

- (1) sampling Phellinus linteus from the soil;
- (2) examining its microbiological properties and depositing it;
- (3) isolating DNA of Phellinus linteus mycelium incubated in PDB medium by using benzylchloride method;

- (4) amplifying ITS 1, 5.8S rDNA and ITS 2 genes by polymerase chain reaction (PCR);
- (5) using the isolated DNA of Phellinus linteus mycelium and determining their nucleotide sequences by using Perkin-Elmer applied biosystem ABI 377A sequencer; and
- (6) analyzing the correlation of Phellinus linteus with other Phellinus strains by multialignment of Phellinus linteus ITS gene. .

ABSTRACTED-PUB-NO: KR2001084853A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/10

DERWENT-CLASS: B04 D16
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